

Notice of Allowability	Application No.	Applicant(s)	
	10/602,627	TAMURA, RAYMOND M.	
	Examiner Michael B. Holmes	Art Unit 2121	

-- **The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to June 25, 2003.
2. The allowed claim(s) is/are 1-21.
3. The drawings filed on 25 January 2005 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 of the:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of
 Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.



UNITED STATES PATENT AND TRADEMARK OFFICE

P.O. Box 1450, Alexandria, Virginia 22313-1450 - www.uspto.gov

Examiner's Detailed Office Action

1. Claims 1-21 are allowed.

REASONS FOR ALLOWANCE

2. The following is an Examiner's statement for reasons for allowance:
3. The closest prior art *Castelaz*, (USPN 5,454,064), *Sugaya et al.* (USPN 5,768,476), *Skeirik*, (USPN 5,826,249), *Hittle et al.* (USPAP 2003/0055798 A1), and *Young et al.* (USPAP 2003/0074338 A1) does not teach or render obvious applicant's claimed invention. In particular, as pointed out below, the prior art lacks certain features and the combination as specified in the respective claims.
4. With regards to claim 1 *Castelaz*, *Sugaya et al.*, *Skeirik*, *Hittle et al.* and *Young* does not disclose providing converters, supplying the multiple inputs of data in the parallel paths to the converters and converting data inputs in languages other than languages of the software engine to languages of the software engine, providing a primary bus and supplying the multiple inputs of data and converted inputs of data into languages of the software engine from the converters to the primary bus, providing multiple gigabit primary chips connected to the primary bus and providing the inputs of data and the converted inputs of data to the primary chips which have

multiple loci for multiple classes, manipulating data through groups or sets of entities from the inputs and the converted inputs in the primary chips, manipulating data in the primary chips by means of Brownian motion equations divided into two vectors sized for solving specific problems and predicting outcomes relating to entities, providing entities that are open ended for coping with unanticipated or random factors affecting the entities, representing element of a matrix as Bayes' equation and representing the denominator of Bayes' equation as a summation of data from a population of entities in a similar class or group, providing Brownian motion equations, internal and external vectors to the central processor for evaluation of a specific entity, processing the data in the central processor by manipulating the data in the Brownian motion equations and matrices or Bayes' equations, and producing results of the manipulating from the central computer.

5. With regards to claim 11 *Castelaz, Sugaya et al., Skeirik, Hittle et al.* and *Young* does not disclose supplying the multiple inputs of data in the parallel paths to converters, converting data inputs in languages other than languages of the software engine to languages of the software engine, supplying the multiple inputs of data and converted inputs of data from the converters to the bus, providing the inputs of data and the converted inputs of data to the primary chips, manipulating data from the inputs and the converted inputs in the primary chips, which communicate with each other, transferring the manipulated data from the primary chips to secondary chips, placing the manipulated data in matrices or Bayes' equations in the secondary chips, transferring the data in matrices or Bayes' equations from the secondary chips to a central processor, processing the data in the central processor by manipulating the data in Brownian motion equations and its vectors and in the matrices or Bayes' equations, and producing results

of the manipulating from the central computer.

6. With regards to claim 21 *Castelaz, Sugaya et al., Skeirik, Hittle et al.* and *Young* does not disclose converters connected to the multiple inputs through parallel paths, a bus connected to the converters through parallel paths, related multiple gigabyte primary chips connected to the bus and arranged in multiple groups, multiple secondary chips connected to the primary chips with each of the secondary chips connected to more than one of the primary chips, a processor having processor units connected to the secondary chips, the multiple inputs passing through the converters and the bus into the primary chips simultaneously, outputs from the secondary chips passing to the processor simultaneously, and the processor processing the outputs from the secondary chips simultaneously and producing results.

Correspondence Information

7. Any inquires concerning this communication or earlier communications from the examiner should be directed to Michael B. Holmes, who may be reached Monday through Friday, between 8:00 a.m. and 5:00 p.m. EST. or via telephone at (571) 272-3686 or facsimile transmission (571) 273-3686 or email Michael.holmesb@uspto.gov.

If you need to send an Official facsimile transmission, please send it to (571) 273-8300.

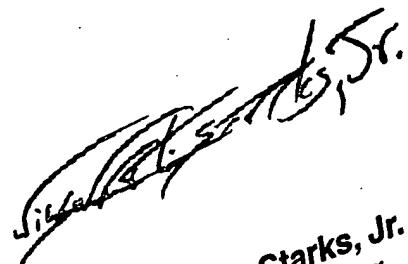
If attempts to reach the examiner are unsuccessful the Examiner's Supervisor, Anthony Knight, may be reached at (571) 272-3687.

Hand-delivered responses should be delivered to the Receptionist @ (Customer Service Window Randolph Building 401 Dulany Street Alexandria, VA 22313), located on the first floor of the south side of the Randolph Building.

Michael B. Holmes
Patent Examiner
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Art Unit 2121
United States Department of Commerce
Patent & Trademark Office

Thursday, July 28, 2005

MBH



Wilbert L. Starks, Jr.
Primary Examiner
Art Unit - 2121